

WINSTREAM NEBRASKA, INC.

NUSF-99 PRICE CAP APPLICATION – HARVARD EXCHANGE

Checklist Item No. 1:

A description of the proposed broadband project including download/upload speed capabilities which can be provided and a description of the proposed network infrastructure to be deployed. Minimum speed standards should be 4 mbps download and 1 mbps upload.

Windstream's Response:

Windstream submits the following project for the Commission's consideration of NUSF-99 broadband funding, to be constructed upon funding approval, using funding available from the 2016 funding allocation.

- Fixed Wireless to serve Northern area of Harvard, NE ILEC Exchange (Partial funding requested)

The Central Office for Harvard is currently connected with interoffice fiber facilities. Customers within reach of the office are qualified for 4Mbps down / 1Mbps upload broadband or better (up to 100Mbps), depending on the copper loop length from the equipment. This project intends to address those customers in the Northern area of the exchange that have exceptionally long loop lengths and therefore are not broadband qualified by providing a Fixed Wireless solution.

- The project will place equipment at two sites, one remote Base Station approximately 4.5 miles north of the Harvard Central Office and another site (at a remote base station in the Sutton exchange) to provide the point to point link to the Sutton Central Office where fiber back haul is provided.
- The Harvard remote Base Station will provide the broadband connection to the customers, and have wireless backhaul to the remote Base Station in Sutton which is linked to the Sutton Central Office.

These network upgrades will enable a network capable of minimum speeds of 10Mbps download and 1Mbps upload for all impacted customers and depending upon the distance from the remote Base Station, the majority of customers will have speeds of 25Mbps and up to 100Mbps available.

Since this is a Fixed Wireless deployment that Windstream is filing for NUSF-99 funding, see attached power point presentation which describes the technology and it's benefits for consumers.

Windstream projects the total deployment costs for this project is \$133,261 and Windstream is requesting Nebraska Universal Service Funding of \$118,226, the difference between the total project costs and the requested funding is because Windstream is not seeking funding for the areas funded by the FCC's Connect America Fund Phase 2 program or have a wireline competitor. Windstream is requesting that the funding for this project be applied against the \$1,038,338 remaining 2016 funds allotted to Windstream.

Checklist Item No. 2:

A list in Excel Format of all the census blocks where broadband facilities would be deployed for the proposed project, which shall include 2010 Census Block identification number of service area, by project.

Windstream's Response:

See Attached Checklist Item #2.

Checklist Item No. 3:

An estimate of the number of potential new broadband subscribers for each project.

Windstream's Response:

See Attached Checklist Item #3

Checklist Item No. 4:

An estimated schedule for broadband deployment.

Windstream Response:

Upon approval of the application, the deployment schedule will be as indicated in the Attached Checklist Item #4 with the caveat that given the time of year, construction may be delayed due to weather conditions.

Checklist Item No. 5:

A proposed budget, showing total project costs, in electronic format, with a detailed breakdown of the cost elements and a depreciation schedule showing the life of the investment.

Windstream Response:

Please see Attached Checklist Item #5 which shows the proposed budget and the depreciation schedule showing the life of investment for the major plant categories associated with this project.

Checklist Item No. 6:

Proposed retail pricing, including both monthly recurring costs and nonrecurring costs for the new broadband service(s) to be offered. At a minimum the pricing should reflect the stand alone price for the speeds to be offered to the customer.

Windstream Response:

Attached Checklist Item #6 provides a listing of the retail pricing for the broadband services Windstream will be offering in the proposed service areas. This price list is consistent with Windstream pricing for similar services in other Nebraska exchanges.

Checklist Item No. 7:

The company's commitment to offer broadband services to all households within the service area of the project for a minimum of five (5) years.

Windstream Response:

If approved for funding, Windstream commits to offer broadband service to all households within the service area of the project for a minimum of five (5) years.

Checklist Item No. 8:

An affidavit from the company attesting 1) (a) that the area of the proposed project is a CAF II eligible area and have not refused CAF II funding, or (b) that the area of the proposed project is ineligible for CAF II funding. 2) That the company has done its due diligence to verify that comparable broadband does not already exist in the area of the proposed project. 3) The truth and accuracy of all information included in the project filing.

Windstream Response:

The Affidavit of Brad Brannon is provided in Attached Checklist Item #8.

CHECK LIST #2 CENSUS BLOCKS

Criteria for Determining NUSF Eligibility for Census Blocks In Priority Order for Projects Using Fixed Wireless Technology:

- 1) If Census Block Is CAF 2 - Not Eligible
- 2) If Census Block has Wireline Competitor from someone other than an ILEC with at least 10/1 broadband - Not Eligible
- 3) If Census Block Wireline Competitor is a neighboring ILEC sharing service in the Census Block - Eligible
- 4) If Census Block has a Fixed Wireless Competitor with at least 10/1 Broadband but Does Not Provide Voice - Eligible

Census Blocks	CAF 2 and Form 477 Status	Is Wireline Competitor a Neighboring ILEC? *	Does Fixed Wireless Competitor Provide Voice Service? **	NUSF Eligibility	Summary	# Census Blocks	%
310359621001014	Competition - Other	Y	N	NE BB Eligible	CAF2	20	10%
310359621001015	Competition - Other	Y	N	NE BB Eligible	NE BB Eligible	173	89%
310359621001016	Competition - Other	Y	N	NE BB Eligible	Competition - FW	0	0%
310359621001023	Competition - Other	Y	N	NE BB Eligible	Competition - Other	2	1%
310359621001024	Competition - Other	Y	N	NE BB Eligible	Total	195	100%
310359621002107	Competition - Other	N	N	Competition - Other			
310359621002184	Competition - Other	N	N	Competition - Other	Eligible for Funding	173	89%
310819692003195	Competition - Other	Y	N	NE BB Eligible			
310819692003196	Competition - Other	Y	N	NE BB Eligible			
310819692003197	Competition - Other	Y	N	NE BB Eligible			
310819692003209	Competition - Other	Y	N	NE BB Eligible			
310819692003215	Competition - Other	Y	N	NE BB Eligible			
310819692003216	Competition - Other	Y	N	NE BB Eligible			
310819692003217	Competition - Other	Y	N	NE BB Eligible			
310819692003218	Competition - Other	Y	N	NE BB Eligible			
310819692003219	Competition - Other	Y	N	NE BB Eligible			
310359621001017	Competition - FW		N	NE BB Eligible			
310359621001018	Competition - FW		N	NE BB Eligible			
310359621001019	Competition - FW		N	NE BB Eligible			
310359621001020	Competition - FW		N	NE BB Eligible			
310359621001021	Competition - FW		N	NE BB Eligible			
310359621001022	Competition - FW		N	NE BB Eligible			
310359621001025	Competition - FW		N	NE BB Eligible			
310359621001028	Competition - FW		N	NE BB Eligible			
310359621001030	Competition - FW		N	NE BB Eligible			
310359621001031	Competition - FW		N	NE BB Eligible			
310359621001032	Competition - FW		N	NE BB Eligible			
310359621001033	Competition - FW		N	NE BB Eligible			
310359621001034	Competition - FW		N	NE BB Eligible			
310359621001036	Competition - FW		N	NE BB Eligible			
310359621001037	Competition - FW		N	NE BB Eligible			
310359621001039	Competition - FW		N	NE BB Eligible			
310359621001040	Competition - FW		N	NE BB Eligible			
310359621001042	Competition - FW		N	NE BB Eligible			
310359621001044	Competition - FW		N	NE BB Eligible			
310359621001047	Competition - FW		N	NE BB Eligible			
310359621001048	Competition - FW		N	NE BB Eligible			
310359621001049	Competition - FW		N	NE BB Eligible			
310359621001050	Competition - FW		N	NE BB Eligible			
310359621001052	Competition - FW		N	NE BB Eligible			
310359621001053	Competition - FW		N	NE BB Eligible			
310359621001054	Competition - FW		N	NE BB Eligible			
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310359621001081	Competition - FW		N	NE BB Eligible			
310359621001083	Competition - FW		N	NE BB Eligible			
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310359621001098	Competition - FW		N	NE BB Eligible			
310359621001099	Competition - FW		N	NE BB Eligible			
310359621001100	Competition - FW		N	NE BB Eligible			
310359621001103	Competition - FW		N	NE BB Eligible			
310359621001106	Competition - FW		N	NE BB Eligible			
310359621001107	Competition - FW		N	NE BB Eligible			
310359621001108	Competition - FW		N	NE BB Eligible			
310359621001109	Competition - FW		N	NE BB Eligible			
310359621001111	Competition - FW		N	NE BB Eligible			
310359621001134	Competition - FW		N	NE BB Eligible			
310359621001136	Competition - FW		N	NE BB Eligible			
310359621001137	Competition - FW		N	NE BB Eligible			
310359621001265	Competition - FW		N	NE BB Eligible			
310359621001266	Competition - FW		N	NE BB Eligible			
310359621001267	Competition - FW		N	NE BB Eligible			
310359621001268	Competition - FW		N	NE BB Eligible			
310359621001269	Competition - FW		N	NE BB Eligible			
310359621001270	Competition - FW		N	NE BB Eligible			
310359621001271	Competition - FW		N	NE BB Eligible			
310359621001272	Competition - FW		N	NE BB Eligible			
310359621001273	Competition - FW		N	NE BB Eligible			
310359621001274	Competition - FW		N	NE BB Eligible			
310359621001275	Competition - FW		N	NE BB Eligible			
310359621001276	Competition - FW		N	NE BB Eligible			
310359621001277	Competition - FW		N	NE BB Eligible			
310359621001279	Competition - FW		N	NE BB Eligible			

[illegible]

310359621002192	Competition - FW	N	NE BB Eligible
310359621002193	Competition - FW	N	NE BB Eligible
310359621002194	Competition - FW	N	NE BB Eligible
310819692003210	Competition - FW	N	NE BB Eligible
310819692003211	Competition - FW	N	NE BB Eligible
310819692003212	Competition - FW	N	NE BB Eligible
310819692003213	Competition - FW	N	NE BB Eligible
310819692003214	Competition - FW	N	NE BB Eligible
310359621001026	CAF2		CAF2
310359621001027	CAF2		CAF2
310359621001029	CAF2		CAF2
310359621001035	CAF2		CAF2
310359621001038	CAF2		CAF2
310359621001041	CAF2		CAF2
310359621001043	CAF2		CAF2
310359621001045	CAF2		CAF2
310359621001046	CAF2		CAF2
310359621001051	CAF2		CAF2
310359621001101	CAF2		CAF2
310359621001102	CAF2		CAF2
310359621001104	CAF2		CAF2
310359621001105	CAF2		CAF2
310359621002092	CAF2		CAF2
310359621002093	CAF2		CAF2
310359621002121	CAF2		CAF2
310359621002123	CAF2		CAF2
310359621002172	CAF2		CAF2
310359621002208	CAF2		CAF2

Footnotes:

- * The neighboring ILEC for these census blocks is Hamilton Telephone Company
- ** There are three Fixed Wireless providers per Form 477 data that provide 10/1 or better in these census blocks.
The three providers by name used on 477 data are:
Hamilton.net Inc.
Edgar Rental Corp/ERC Communications
N.E. Colorado Cellular Inc.
Windstream has contacted each of these providers' call centers and was told that voice services are not offered with their fixed wireless Internet service.

Check List #3 Subscribers

Exchange	# Locations in Deployment Area
Harvard	62

Estimated Broadband Take Rate	50%
New Broadband Subscribers	31

50% Take Rate assumption is likely low since broadband is generally not available due to long loop lengths

Checklist Item #4 Estimated Schedule

Proposed Schedule:

Engineering design & approval	30 Calendar Days
Site Acquisition, permitting & material acquisition	90 to 120 Calendar Days
Equipment deployment, testing, and turn-up	30 Calendar Days

Notes:

If multiple sites are involved, work activities will be conducted concurrently, so that total time for the project is 150 to 180 days

Schedule is subject to seasonal limitations regarding when construction can commence or be completed.

Check List #5 Budget & Depreciation

Budget

PtP at Sutton Remote Pole

Item	Labor	Material	Item Total	Quantity	Mat Total	Grand Total	Notes
PtP FCC License	\$1,250	\$0	\$1,250	1	\$0	\$1,250	FCC Coordination Point to Point (PtP) License Fee
XXXXXXX PtP Radio	\$7,125	\$8,825	\$15,950	1	\$8,825	\$15,950	Assuming 18 GHz radio - Link Budget Calculation pending
Total					\$8,825	\$17,200	

Harvard Remote Site

Item	Labor	Material	Item Total	Quantity	Mat Total	Grand Total	Notes
Site Survey	\$1,000	\$0	\$1,000	1	\$0	\$1,000	
Desktop Planning	\$1,800	\$0	\$1,800	1	\$0	\$1,800	
Site Engineering	\$3,300	\$0	\$3,300	1	\$0	\$3,300	
Site Acquisition	\$10,183	\$0	\$10,183	1	\$0	\$10,183	
Power Make Ready	\$7,995	\$0	\$7,995	1	\$0	\$7,995	
95' AGL Wood Pole	\$0	\$23,800	\$23,800	1	\$23,800	\$23,800	
XXXXXX Base Station	\$4,433	\$5,513	\$9,946	4	\$22,054	\$39,784	5 GHz PtMP radio
XXXXXXX PtP Radio	\$7,125	\$8,825	\$15,950	1	\$8,825	\$15,950	Assuming 18 GHz radio - Link Budget Calculation pending
Site Work	\$2,250	\$2,500	\$4,750	1	\$2,500	\$4,750	Placeholder for fiber + electricity work + pole mounted cabinet
Cabinet/PoE Switch	\$0	\$7,500	\$7,500	1	\$7,500	\$7,500	Pole-mounted
Total					\$64,679	\$116,061	

Grand Total **\$73,504** **\$133,261**

Excluded Costs

ROW	\$700	2	\$1,400
IDC	\$73,504	5.0%	\$3,675
Tax	\$73,504	5.0%	\$3,675

Total Project Costs **\$133,261**

% Eligible for Funding from Checklist #2 **89%**

Requested Funding Amount **\$118,226**

Depreciation Lives

Life In Years

Fixed Wireless Assets	45
Poles	33

Check List #6 Pricing

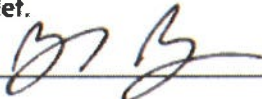
Price for Internet Only (HSI Simple or Solo Internet)				
Speed		Standard Price	Current Promo	Net Price
Up to 25Mb		\$45	\$10 off for 12 months	\$35
50Mb		\$45	\$10 off for 12 months	\$35
100Mb		\$45	\$10 off for 12 months	\$35
Price for Internet + Bundle Phone Adder				
Speed		Standard Price	Current Promo	Net Price
Up to 25Mb		\$65	\$10 off for 12 months	\$55
50Mb		\$65	\$10 off for 12 months	\$55
100Mb		\$65	\$10 off for 12 months	\$55

\$50 Activation Fee and Free Professional Installation

AFFIDAVIT OF BRAD BRANNON

I, Brad Brannon, being first duly sworn upon oath, state as follows:

1. I am currently employed by Windstream as the Vice President Consumer & Small Business - Business Intelligence. In that capacity, I am personally familiar with the company's network structure in Nebraska.
2. I have reviewed the foregoing project filing and certify that (a) the areas of the proposed project are CAF II eligible areas and have not refused CAF II funding, or the areas of the proposed project are ineligible for CAF II funding; (b) Windstream has done its due diligence to verify that comparable broadband does not already exist in the areas of the proposed project that we are requesting funding; and (c) all information included in the project filing is true and accurate to the best of my knowledge and belief.



Brad Brannon

ACKNOWLEDGMENT

STATE OF ARKANSAS)

:SS

COUNTY OF PULASKI

Subscribed, sworn to and acknowledged before me on this 6 day of Sept, 2018
by Brad Brannon



Notary Public

